Title (en)

METHOD AND DEVICE FOR PROTECTING A POWER GRID

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHUTZ EINES STROMNETZES

Title (fr)

PROCEDE ET DISPOSITIF DE PROTECTION D'UN RESEAU ELECTRIQUE

Publication

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Application

EP 16718399 A 20160322

Priority

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Abstract (en)

[origin: WO2016151239A1] The present invention primarily relates to a method for protecting a power grid (100) from an electrical fault, the electrical fault generating a first signal type and a second signal type that is different from the first signal type, the power grid (100) comprising an electrical power supply (110) and an electrical device (120) between which a contactor (133) is arranged, the contactor (133) being able to be placed in two states: - an open state (0), for which the electrical power supply (110) is not electrically connected to the electrical device (120); - a closed state (1), for which the electrical power supply (110) is electrically connected to the electrical device (120). The method is characterized in that it comprises the following steps: - detecting (210) a signal of the first type; - placing (220) the contactor in the open state (0); - verifying (230), during a predetermined time period referred to as "decided opening time (Tdod)", whether a signal of the second type appears; - keeping (240) the contactor in the open state (0) if a signal of the second type appears during the decided opening time (Tdod); placing (250) the contactor in the closed state (1) if no signal of the second type appears during the decided opening time (Tdod).

IPC 8 full level

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